

List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 10 (Cancelled).

11. (Currently Amended) A process installation having:
a control room; and
~~a signal line;~~
a plurality of sensors, which are connected via 2-wire lines with a plurality of converter units; from which a signal line leads to said control room; and
~~a plurality of field devices;~~ which exchange data with said control room via said signal line SL, wherein:

said signal line SL is designed for a conventional first data transmission technology having a low data transmission rate (smaller than 10,000 baud);

at least one ~~field device~~ converter unit, for data exchange, operates with a second data transmission technology, which permits a greater data transmission rate and/or an expanded functionality than the first transmission technology, and which uses, as a communication medium, the existing signal line SL[.];

the first and second data transmission technologies use separate data transmission channels occupying different frequency bands; and

the first data transmission channel occupies a frequency band up to 4 kHz, and the second data transmission channel occupies a frequency range greater than 4 kHz.

Claims 12 - 14 (Cancelled).

15. (Previously presented) The process installation as claimed in claim 11, wherein:

said signal line SL is a copper 2-wire line with a bandwidth of about 1 MHz.

16. (Previously presented) The process installation as claimed in claim 11, wherein:

said first data transmission technology operates according to an industrial standard, e.g. Whessoematic WM550, Varec Mark/Space, Sakura V1, Tiway, Profibus, HART, FF.

17. (Previously presented) The process installation as claimed in claim 11, wherein:

said second data transmission technology corresponds to DSL (digital subscriber line) technology.

18. (Previously presented) The process installation as claimed in claim 11, wherein:

the process installation, is a tank farm with a plurality of tanks LC1, LC2, LC3, LC4, LC5 for containing liquid.

Claims 19 and 20 (Cancelled).